

# Science and engineering profile: South Dakota

Characteristic	State	U.S. total	Rank
Employed SEH doctorate holders, 2006	1,050 †	620,140	51
S&E doctorates awarded, 2007	41	31,801	50
Life sciences (%)	39	26	–
Social sciences (%)	22	14	–
Psychology (%)	15	10	–
SEH postdoctorates in doctorate-granting institutions, 2006	19	49,201	50
SEH graduate students in doctorate-granting institutions, 2006	1,292	542,073	48
Population, 2008 (thousands)	804	308,014	47
Civilian labor force, 2008 (thousands)	445	155,366	46
Personal income per capita, 2007 (dollars)	35,760	38,615	28
Federal spending			
Total expenditures, 2007 (\$millions)	8,280	2,532,073	48
R&D obligations, 2006 (\$millions)	76	107,545	51
Total R&D performance, 2006 (\$millions)	191	335,377	50
Industry R&D, 2006 (\$millions)	95	243,853	49
Academic R&D, 2007 (\$millions)	82	49,406	51
Life sciences (%)	66	60	–
Engineering (%)	19	15	–
Environmental sciences (%)	6	6	–
SBIR awards, 2000–07	37	44,157	50
Utility patents issued to state residents, 2008	54	77,493	49
Gross domestic product, 2007 (\$billions)	34	13,832	49

†Coefficient of variation > 10% but < 25%; – = no value possible.

S&E = science and engineering; SEH = science, engineering, and health; SBIR = small business innovation research.

NOTES: Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico. Rankings are based on unrounded totals; they do not account for margin of error of estimates from sample surveys. Employed SEH doctorate holders include only recipients of U.S. doctoral degrees. State estimates for employed SEH doctorate holders may have large sampling errors because the source for these data, the Survey of Doctorate Recipients, was not designed to provide a sample for estimates at the state level; these data are classified by the state where the doctorate holder resides, if known; otherwise, data are classified by employer's location.

## Federal obligations for research and development, by agency and performer: South Dakota, FY 2006 (Thousands of dollars)

Agency	Performer							Rank
	Total	Federal intramural	All FFRDCs	Industrial firms	Universities and colleges	Other nonprofits	State, local governments	
All agencies	75,926	17,185	0	10,974	36,071	3,953	7,743	51
Department of Agriculture	9,499	4,354	0	0	5,084	0	61	47
Department of Commerce	180	164	0	0	16	0	0	48
Department of Defense	16,196	1,674	0	7,888	6,634	0	0	49
Department of Energy	1,087	0	0	0	1,087	0	0	50
Department of Health and Human Services	20,597	0	0	1,269	15,115	3,953	260	48
Department of Homeland Security	0	0	0	0	0	0	0	–
Department of the Interior	12,569	10,993	0	865	711	0	0	9
Department of Transportation	1,174	0	0	436	590	0	148	39
Environmental Protection Agency	1,114	0	0	0	857	0	257	29
National Aeronautics and Space Administration	8,308	0	0	5	1,286	0	7,017	38
National Science Foundation	5,202	0	0	511	4,691	0	0	50
Rank	51	47	–	49	50	43	15	–

– = no value possible.

FFRDC = federally funded research and development center.

NOTES: Federal R&D obligations are as reported by funding agencies. Rankings and totals are based on data for the 50 states, District of Columbia, and Puerto Rico.

SOURCES: Prepared by the National Science Foundation/Division of Science Resources Statistics. Data compiled from numerous sources; see the section, "Data Sources for Science and Engineering State Profiles."